

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	special filler,halogen-free flame retardant,UV stabilised
Special Features	light scattering,high light diffusion,good flow,processing stabilised,injection moulding grade
Market Segment	Automotive,Lighting,electrical and electronic
Application Area	lighting,light transparent components
Typical Applications	lamp covers,display elements,operating elements

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	20	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2400	MPa	ISO 527
^[C] Yield stress	63	MPa	ISO 527
^[C] Yield strain	6	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	128	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	142	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
^[C] Burning Behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1190	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Light Diffusing

Delivery form

White

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather

Other text information**Injection molding**

Pre-Drying Conditions

120 °C in a dry air (dessiccant) dryer
for 2-4 h

120 °C in an air circulating dryer
for 4-12 h

max. moisture content <0,02 %

Processing Injection Moulding melt temperature 270-310 °C
 mould temperature 80-110 °C

Storage dry, protected from light